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PROPOSAL FOR ESTABLISHMENT OF A WEST-COAST
TEST SITE FOR SYSTEM NO. 2

The conduct of evaluation tests on System No. 2 requires two ground installations of electronic equipment and one installation in an airplane. It is presumed that one ground installation can be made at an existing site under control of the contracting agency and located near Washington, D. C. The other ground installation must be made as close as possible to the contractor's facility in Los Angeles.

The west coast site must provide space for at least two rhombic antennas of large dimensions and a vertical array of antennas to be erected at a later date. The site must be well removed from densely populated urban areas to avoid conflict with zoning restrictions. On the other hand, it should be readily accessible by automobile, and located close to an existing power line.

This contractor does not own or have control of such a site, and conferences with representatives of the contracting agency have resulted in a decision directing this contractor to locate a suitable plot of ground, to arrange for a lease on the test site, and to prepare estimates of the costs of providing the various facilities necessary for conduct of the tests that must be performed.

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The contractor has succeeded in locating a plot of ground believed eminently suitable for the type of activity involved. It is situated in an agricultural area in Orange County, [REDACTED]

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Arrangements have been made to lease for one year, with the option of renewing the lease for a second year, a total of fifteen acres of a 40-acre plot, the dimensions of the leased area and the approximate location and orientation of the facilities to be provided being shown on the attached sketch. The land is flat and is normally under cultivation. An unobstructed view may be had in all directions from this site, and existing power line facilities border the edge of the site in the manner shown on the sketch.

Because the equipment to be installed at this site includes a medium-power commercial transmitter in addition to special electronics equipment being fabricated by this contractor, and because an extensive array of laboratory instrumentation will be required during the conduct of the tests, it is proposed to erect a temporary building approximating 18 ft. x 30 ft. in size near one side of the leased property, and to extend power-line service and telephone service from the nearest point at which these facilities exist to the building proper. A temporary roadway and parking area must be

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provided to permit access to the building from the existing roadway. A minimum quantity of furniture, such as chairs, work benches, and desk, must also be provided.

The contractor's Plant Engineering Department has prepared estimates on the cost of erecting and installing the facilities required at this site. An identification of the items required and a breakdown of estimated costs is presented on the attached Exhibit A.

It should be noted that adequate space has been provided to permit erection of a special navigation-antenna array at a later date. The costs of constructing this array are not included in the present estimate of costs.

It is essential that construction of the facilities required and installation of all equipment necessary for test operations be completed prior to 15 January 1956. For this reason, the contractor would appreciate receiving from the contracting agency at the earliest possible date the approval and contract authorization necessary to permit initiation of the work that must be performed. It is requested also that the Contracting Officer approve the rental on the antenna site as an allowable item of overhead costs.

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EXHIBIT A

ESTIMATED COSTS FOR PROVISION OF WEST-COAST
TEST FACILITIES FOR SYSTEM NO. 2

<u>Item</u>	<u>Description</u>	<u>Estimated Costs</u>	25X1A
1.	Temporary building, 18 ft. x 30 ft.		
2.	Labor and materials for two rhombic antennas		
3.	Cost of running underground power lines to building		
4.	Cost of extending telephone service to building		
5.	Cost of providing auxiliary road and parking area		
6.	Cost of furniture, such as desk, chairs, work benches, etc.		
7.	Cost of power line filters		
8.	Drayage charges for moving transmitter and other heavy electronic equipment to test site		
9.	Labor costs for installation of transmitter and antenna transmission lines		
10.	Fee for structural engineer		
Total Estimated Cost of Providing Test Facility			

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